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(71) Applicant (for all designated States except US): INTERNATIONAL BUSINESS MACHINES CORPORATION [US/US]; New Orchard Road, Armonk, NY 10504 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): MANDELMAN, Jack, A. [US/US]; 11 Claremont Drive, Flat Rock, NC 28731 (US). GAMBINO, Jeffrey, P. [US/US]; 98 Huntley Road, Westford, VT 05494 (US). WANG, Geng [US/US]; 15 Whitegate Drive, Apt. D, Wappingers Falls, NY 12590 (US).

(74) Agent: BLECKER, Ira, D.; International Business Machines Corporation, Dept. 18G, Bldg. 300/482, 2070 Route 52, Hopewell Junction, NY 12533 (US).

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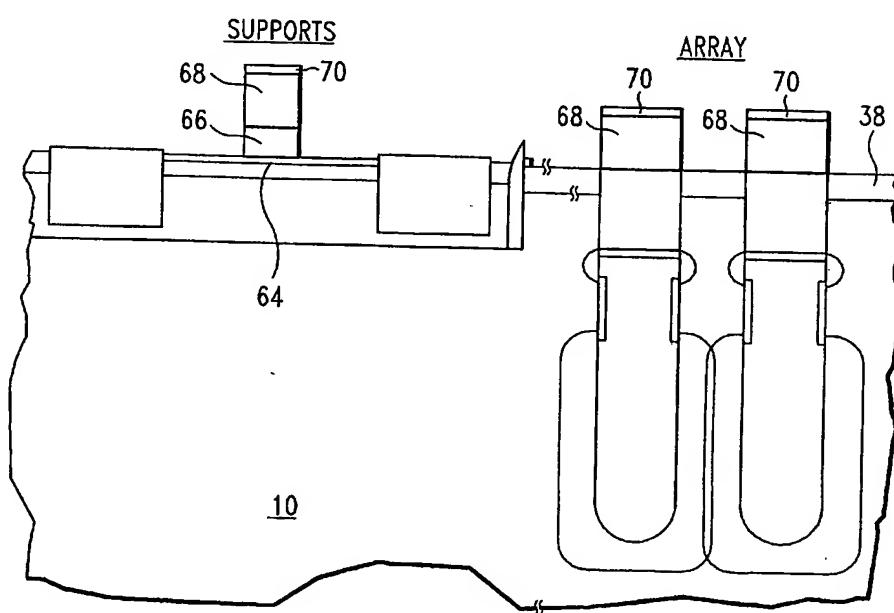
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(54) Title: HIGH PERFORMANCE EMBEDDED DRAM TECHNOLOGY WITH STRAINED SILICON



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(57) Abstract: Semiconductor devices are fabricated in a strained layer region and strained layer-free region of the same substrate. A first semiconductor device, such as a memory cell, e.g. a deep trench storage cell, is formed in a strained layer-free region of the substrate. A strained layer region is selectively formed in the same substrate. A second semiconductor device (66, 68, 70), such as an FET, e.g. an MOSFET logic device, is formed in the strained layer region.